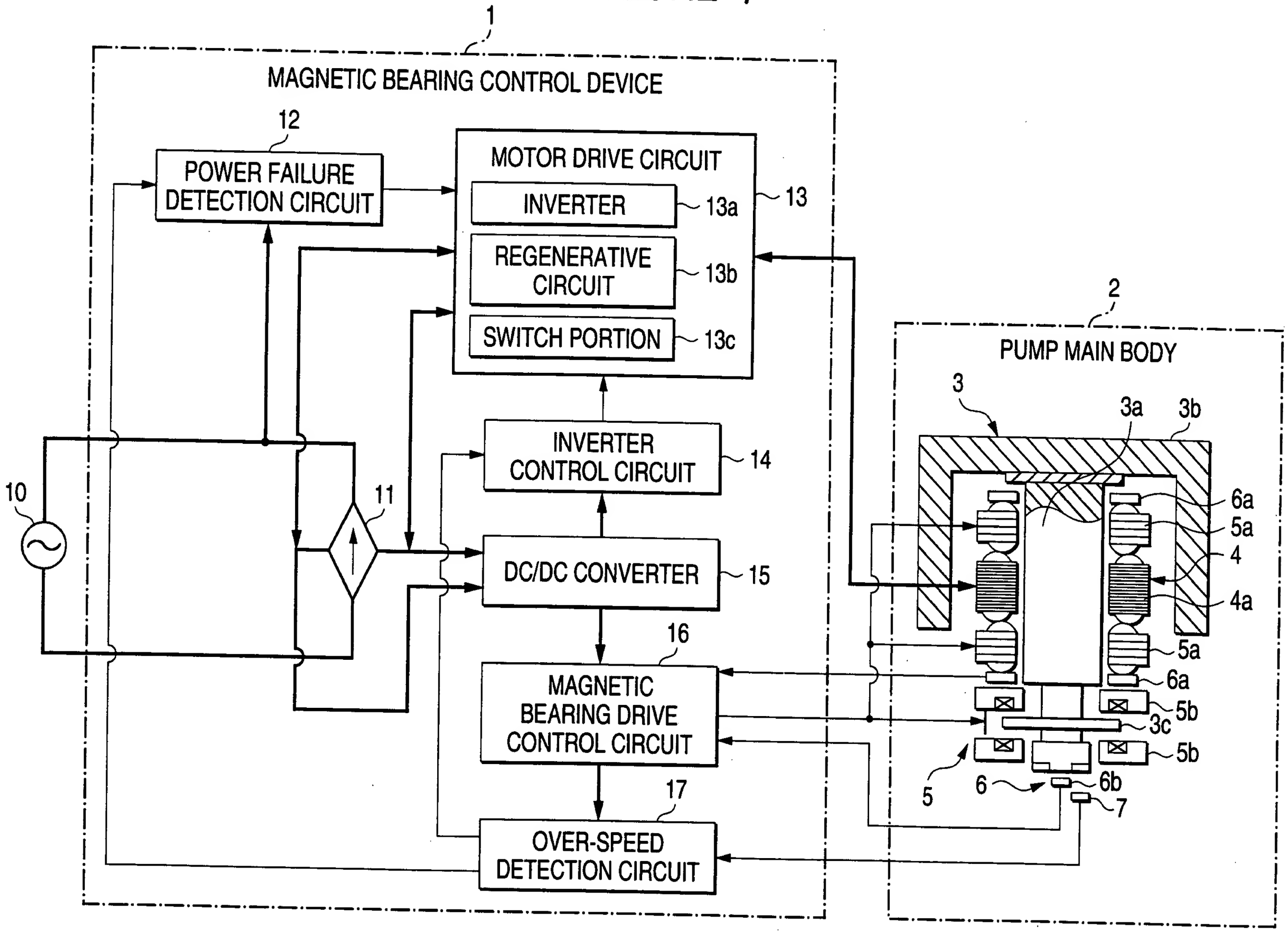
FIGURE 1


1
MAGNETIC BEARING CONTROL DEVICE
12
POWER FAILURE DETECTION CIRCUIT
MOTOR DRIVE CIRCUIT
INVERTER
13a
REGENERATIVE CIRCUIT
13b
SWITCH PORTION
13c
13
INVERTER CONTROL CIRCUIT
14
10
11
DC/DC CONVERTER
15
16
MAGNETIC BEARING DRIVE CONTROL CIRCUIT
17
OVER-SPEED DETECTION CIRCUIT
2
PUMP MAIN BODY
3
3a
3b
6a
5a
4
4a
5a
6a
5b
3c
5b
5
6
6b
7